

- 20 to 60% of the total are occupied by the particles corresponds to particles having an equivalent diameter ranging from 0.1 to 1 μm ,
- 5 to 20% of the total area occupied by the particles corresponds to particles having an equivalent diameter ranging from 1 to 1.6 μm , and
- 20 to 75% of the total area occupied by the particles corresponds to particles having an equivalent diameter of greater than 1.6 μm .

the] said step being such that:

- if (SFR) represents the number of moles of stable free radical in the polymerization mixture,
- if F_{SFR} represents the functionality of the stable free radical, i.e. the number of sites on the same molecule of stable free radical having the stable free radical state,
- if (INIT) represents the number of moles of polymerization initiator in the polymerization mixture before phase inversion, and
- if F_{INIT} represents the functionality of the initiator introduced before phase inversion, i.e. the number of sites having the free radical state that each molecule of initiator is capable of generating, then:

$$0.05 < \frac{F_{\text{SFR}} \times (\text{SFR})}{F_{\text{INIT}} \times (\text{INIT})} < 1.$$

34. (amended) A [Composition] composition comprising a vinylaromatic polymer matrix surrounding rubber nodules, [capable of being obtained by the process of claim 1]

- which is such that, in one of its sections, at least 90% of the total area is occupied by the nodules corresponds to capsules having an equivalent diameter ranging from 0.1 to 1 μm , or alternatively
- which comprises multi-occlusion-type nodules and is such that in one of its sections

- 20 to 60% of the total area is occupied by the particles corresponds to particles having an equivalent diameter ranging from 0.1 to 1 μm ,

- 5 to 20% of the total area is occupied by the particles corresponds to particles having an equivalent diameter ranging from 1 to 1.6 μm , and
- 20 to 75% of the total area is occupied by the particles corresponds to particles having an equivalent diameter of greater than 1.6 μm .

Please amend claims 2 -12, 14-19, 21-33, 35-36 and 39-41 as follows:

in claim 2, change "the previous claim" to --claim 1--;

in claims 3-11, 14, 22-29, 31-33 and 40, change "one of the preceding claims" to --claim 1--;

in claim 12, change "the preceding claim" to --claim 11--;

in claim 15, change "one of Claims 10 to 14" to --claim 10--;

in claim 16, change "one of Claims 10 to 15" to --claim 10--;

in claim 17, change "the preceding claim" to --claim 16--;

in claim 18, change "one of Claims 1 to 9" to --claim 1--;

in claim 19, change "the preceding claim" to --claim 18--;

in claim 21, change "the preceding claim" to --claim 20--;

in claim 30, change "the preceding claim" to --claim 29--;

in claim 35, change "the preceding claim or" to --claim 34--;

in claim 36, change "the preceding claim" to --claim 35--;

in claim 39, change "one of Claims 34 to 38" to --claim 34--;

in claim 40, change "the preceding claim" to --claim 39--; and

in claim 41, change "one of Claim 35 to 40" to --claim 35--.

REMARKS

Claims 1-42 are pending. Claims have been amended to avoid multiply dependent claims. Applicants respectfully request that the amendments